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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/501,690	07/17/2004	Chengzhi Zhang	5108N2P1	4387

35969 7590 03/16/2006

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WEST HAVEN, CT 06516

EXAMINER
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NOLAN, JASON MICHAEL

ART UNIT	PAPER NUMBER
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1626

DATE MAILED: 03/16/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Supplemental  
Notice of Allowability**

Application No.

10/501,690

Examiner

Jason M. Nolan, Ph.D.

Applicant(s)

ZHANG ET AL.

Art Unit

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**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 7/17/2004.
2. ☒ The allowed claim(s) is/are 1-26.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                    |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance              |
|   | 9. <input type="checkbox"/> Other _____.   |

### DETAILED ACTION

This action is to correct the Examiner's Amendment dated March 8, 2006.

#### *Examiner's Amendment*

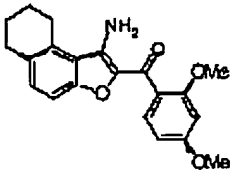
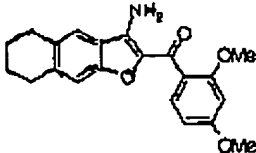
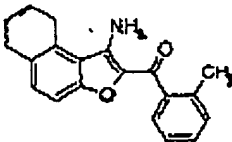
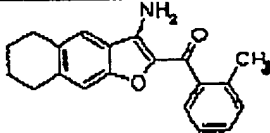
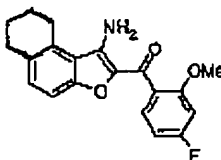
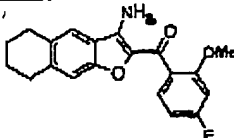
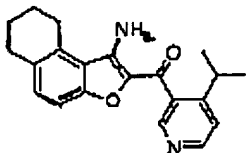
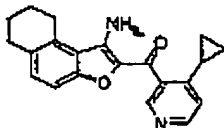
An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with William Gray on March 15, 2006.

The application has been amended as follows:

1. Omit the changes of the Office Action dated March 8, 2006 to **Claim 18**. The claims should read as originally filed on page 3 of the claims, line 24: "A composition comprising a compound of Formula Ia or Formula Ib."
2. In **Claim 9**, page 3 of the claims, line 4, after "...substituted B" delete ", if it were not fused to the core molecule, is saturated." and insert - - contains no unsaturation other than the shared double bond which is part of the phenyl ring to which B is fused. - -.
3. In **Claim 16**, page 3 of the claims, line 20, after "...substituted B" delete ", if it were not fused to the core molecule, is saturated." and insert - - contains no unsaturation other than the shared double bond which is part of the phenyl ring to which B is fused. - -.
4. Delete **page 46** of the specification and insert the following page:

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Example	Structure	Rf (TLC solvent) Or RT (min)*	LC/MS ([M+H]⁺)	Synth. of (III)**	Synth. of (IIa) or (IIb)**	Synth. of (Ia) or (Ib)
128		Rf = 0.65 [30% EtOAc/HEX]	362	comm	II-1	III-2
129		Rf = 0.60 [30% EtOAc/HEX]	352	comm	II-1	III-2
130		Rf = 0.70 [30% EtOAc/HEX]	306	comm	II-1	III-2
131		Rf = 0.65 [30% EtOAc/HEX]	305	comm	II-1	III-2
132		Rf = 0.68 [30% EtOAc/HEX]	340	I-2	II-1	III-2
133		Rf = 0.63 [30% EtOAc/HEX]	340	I-2	II-1	III-2
134		Rf = 0.25 [30% EtOAc/HEX]	335	I-3	II-1	III-2
135		Rf = 0.25 [30% EtOAc/HEX]	333	I-3	II-1	III-2

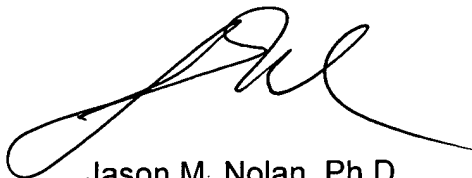
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***Telephone Inquiry***

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to **Jason M. Nolan, Ph.D.** whose telephone number is **(571) 272-4356**. The Examiner can normally be reached on Monday - Friday (9:00 - 5:30PM).

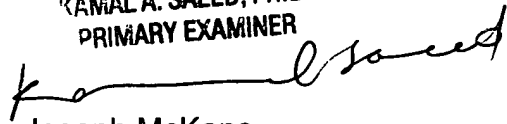
If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Joseph McKane can be reached on (571) 272-0699. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Jason M. Nolan, Ph.D.  
Patent Examiner  
Art Unit 1626

KAMAL A. SAEED, PH.D.  
PRIMARY EXAMINER



Joseph McKane  
Supervisory Patent Examiner  
Art Unit 1626  
Date: March 15, 2006